

What is claimed is:

- 1           1.     A method, comprising:  
2           receiving a request from a component to adjust an operational parameter of the  
3     component; and  
4           sending a response to the component at a proper time to cause the component to  
5     adjust the operational parameter, at least partially, during a particular time period in  
6     which a first display and a second display are both experiencing a blank period.
  
- 1           2.     The method of claim 1, wherein the component comprises a central  
2     processing unit (CPU), and wherein the operational parameter is an operating clock  
3     frequency of the CPU.
  
- 1           3.     The method of claim 1, wherein the proper time is a time during which the  
2     first display is experiencing a first blank period and the second display is beginning to  
3     experience a second blank period.
  
- 1           4.     The method of claim 3, wherein the first blank period comprises a vertical  
2     blank period of the first display, and wherein the second blank period comprises a  
3     horizontal blank period of the second display.
  
- 1           5.     The method of claim 3, wherein the first blank period comprises a vertical  
2     blank period of the first display, and wherein the second blank period comprises a  
3     vertical blank period of the second display.

1           6.       The method of claim 1, wherein the proper time is a time during which the  
2 first display is experiencing a first blank period and the second display is about to begin  
3 experiencing a second blank period.

1           7.       The method of claim 6, wherein the first blank period comprises a vertical  
2 blank period of the first display, and wherein the second blank period comprises a  
3 horizontal blank period of the second display.

1           8.       The method of claim 6, wherein the first blank period comprises a vertical  
2 blank period of the first display, and wherein the second blank period comprises a  
3 vertical blank period of the second display.

1           9.       The method of claim 1, wherein the proper time is a time during which the  
2 first display is experiencing a first blank period and the second display is experiencing a  
3 second blank period.

1           10.      The method of claim 9, wherein the first blank period comprises a vertical  
2 blank period of the first display, and wherein the second blank period comprises a  
3 horizontal blank period of the second display.

1           11.      The method of claim 9, wherein the first blank period comprises a vertical  
2 blank period of the first display, and wherein the second blank period comprises a

3 vertical blank period of the second display.

1 12. The method of claim 1, wherein sending comprises:  
2 determining whether the first display is currently experiencing a vertical blank  
3 period; and  
4 in response to a determination that the first display is currently experiencing a  
5 vertical blank period, sending the response to the component when the second display  
6 begins to experience a horizontal blank period.

1 13. The method of claim 1, wherein sending comprises:  
2 determining whether the first display is currently experiencing a vertical blank  
3 period; and  
4 in response to a determination that the first display is currently experiencing a  
5 vertical blank period, sending the response to the component when the second display is  
6 about to begin experiencing a horizontal blank period.

1 14. The method of claim 1, wherein sending comprises:  
2 determining whether the first display is currently experiencing a vertical blank  
3 period; and  
4 in response to a determination that the first display is currently experiencing a  
5 vertical blank period, sending the response to the component while the second display is  
6 experiencing a horizontal blank period.

1           15.     The method of claim 1, wherein sending comprises:  
2           determining whether the first display is currently experiencing a vertical blank  
3     period; and  
4           in response to a determination that the first display is currently experiencing a  
5     vertical blank period, sending the response to the component when the second display  
6     begins to experience a vertical blank period.

1           16.     The method of claim 1, wherein sending comprises:  
2           determining whether the first display is currently experiencing a vertical blank  
3     period; and  
4           in response to a determination that the first display is currently experiencing a  
5     vertical blank period, sending the response to the component when the second display is  
6     about to begin experiencing a vertical blank period.

1           17.     The method of claim 1, wherein sending comprises:  
2           determining whether the first display is currently experiencing a vertical blank  
3     period; and  
4           in response to a determination that the first display is currently experiencing a  
5     vertical blank period, sending the response to the component while the second display is  
6     experiencing a vertical blank period.

1           18.     An apparatus, comprising:  
2           a mechanism for receiving a request from a component to adjust an operational

3 parameter of the component; and  
4 a mechanism for sending a response to the component at a proper time to cause  
5 the component to adjust the operational parameter, at least partially, during a particular  
6 time period in which a first display and a second display are both experiencing a blank  
7 period.

1 19. The apparatus of claim 18, wherein the component comprises a central  
2 processing unit (CPU), and wherein the operational parameter is an operating clock  
3 frequency of the CPU.

1 20. The apparatus of claim 18, wherein the proper time is a time during which  
2 the first display is experiencing a first blank period and the second display is beginning to  
3 experience a second blank period.

1 21. The apparatus of claim 20, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a horizontal blank period of the second display.

1 22. The apparatus of claim 20, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a vertical blank period of the second display.

1 23. The apparatus of claim 18, wherein the proper time is a time during which

2 the first display is experiencing a first blank period and the second display is about to  
3 begin experiencing a second blank period.

1 24. The apparatus of claim 23, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a horizontal blank period of the second display.

1 25. The apparatus of claim 23, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a vertical blank period of the second display.

1 26. The apparatus of claim 18, wherein the proper time is a time during which  
2 the first display is experiencing a first blank period and the second display is  
3 experiencing a second blank period.

1 27. The apparatus of claim 26, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a horizontal blank period of the second display.

1 28. The apparatus of claim 26, wherein the first blank period comprises a  
2 vertical blank period of the first display, and wherein the second blank period comprises  
3 a vertical blank period of the second display.

1           29.     The apparatus of claim 18, wherein the mechanism for sending comprises:  
2           a mechanism for determining whether the first display is currently experiencing a  
3 vertical blank period; and  
4           a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component when the  
6 second display begins to experience a horizontal blank period.

1           30.     The apparatus of claim 18, wherein the mechanism for sending comprises:  
2           a mechanism for determining whether the first display is currently experiencing a  
3 vertical blank period; and  
4           a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component when the  
6 second display is about to begin experiencing a horizontal blank period.

1           31.     The apparatus of claim 18, wherein the mechanism for sending comprises:  
2           a mechanism for determining whether the first display is currently experiencing a  
3 vertical blank period; and  
4           a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component while the  
6 second display is experiencing a horizontal blank period.

1           32.     The apparatus of claim 18, wherein the mechanism for sending comprises:  
2           a mechanism for determining whether the first display is currently experiencing a

3 vertical blank period; and  
4 a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component when the  
6 second display begins to experience a vertical blank period.

1 33. The apparatus of claim 18, wherein the mechanism for sending comprises:  
2 a mechanism for determining whether the first display is currently experiencing a  
3 vertical blank period; and  
4 a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component when the  
6 second display is about to begin experiencing a vertical blank period.

1 34. The apparatus of claim 18, wherein the mechanism for sending comprises:  
2 a mechanism for determining whether the first display is currently experiencing a  
3 vertical blank period; and  
4 a mechanism for sending, in response to a determination that the first display is  
5 currently experiencing a vertical blank period, the response to the component while the  
6 second display is experiencing a vertical blank period.

1 35. A method, comprising:  
2 receiving a first request from a component to adjust an operational parameter of  
3 the component;  
4 sending a first response to the component at a first proper time to cause the



5 component to adjust the operational parameter, at least partially, during a time period in  
6 which a first display is experiencing a vertical blank period and a second display is  
7 experiencing a first horizontal blank period;

8 receiving a second request from the component to adjust the operational  
9 parameter, wherein the second request is received while the first display is still  
10 experiencing the vertical blank period; and

11 sending a second response to the component at a second proper time to cause the  
12 component to adjust the operational parameter, at least partially, during a time period in  
13 which the first display is experiencing the vertical blank period and the second display is  
14 experiencing a second horizontal blank period;

15 wherein it is ensured that the first and the second horizontal blank periods are  
16 non-consecutive horizontal blank periods.

1 36. An apparatus, comprising:

2 a mechanism for receiving a first request from a component to adjust an  
3 operational parameter of the component;

4 a mechanism for sending a first response to the component at a first proper time to  
5 cause the component to adjust the operational parameter, at least partially, during a time  
6 period in which a first display is experiencing a vertical blank period and a second  
7 display is experiencing a first horizontal blank period;

8 a mechanism for receiving a second request from the component to adjust the  
9 operational parameter, wherein the second request is received while the first display is  
10 still experiencing the vertical blank period; and

11            sending a second response to the component at a second proper time to cause the  
12            component to adjust the operational parameter, at least partially, during a time period in  
13            which the first display is experiencing the vertical blank period and the second display is  
14            experiencing a second horizontal blank period;  
15            wherein it is ensured that the first and the second horizontal blank periods are  
16            non-consecutive horizontal blank periods.

1            37.    A method, comprising:  
2            receiving a request from a component to adjust an operational parameter of the  
3            component; and  
4            sending a response to the component at a proper time to cause the component to  
5            adjust the operational parameter, at least partially, during a particular time period in  
6            which N displays are all concurrently experiencing a blank period, where N is an integer  
7            having a value of 2 or greater.

1            38.    An apparatus, comprising:  
2            a mechanism for receiving a request from a component to adjust an operational  
3            parameter of the component; and  
4            a mechanism for sending a response to the component at a proper time to cause  
5            the component to adjust the operational parameter, at least partially, during a particular  
6            time period in which N displays are all concurrently experiencing a blank period, where  
7            N is an integer having a value of 2 or greater.